For Research Use Only

PGC1a Polyclonal antibody

Catalog Number:20658-1-AP Featured Product 49 Publications

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Basic Information

Catalog Number:
20658-1-AP

Size:
1220 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_013261

GeneID (NCBI):
10891

UNIPROT ID:
Q9UBK2

Full Name:
peroxisome proliferator-activated receptor gamma, coactivator 1 alpha

Calculated MW:
91 kDa

Observed MW:
91-98 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IF, IHC, chIP

Species Specificity:
human, mouse

Cited Species:
human, goat, chicken, rat, mouse, zebrafish

Background Information

PPARGC1A, also named as Peroxisome proliferator-activated receptor gamma coactivator 1-alpha, is a 798 amino acid protein, which Contains 1 RRM (RNA recognition motif) domain and localizes in the nucleus. PPARGC1A is transcriptional coactivator for steroid receptors and nuclear receptors. PPARGC1A can regulate key mitochondrial genes that contribute to the program of adaptive thermogenesis and plays an essential role in metabolic reprogramming in response to dietary availability through coordination of the expression of a wide array of genes involved in glucose and fatty acid metabolism. PPARGC1A exists various isoforms and range of molecular weight of isoforms are 30-50 kDa and 90-110 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Rong Shen	28905953	Food Funct	WB
Xiao-Li Wang	28895883	Molecules	WB,IHC
Lei Wu	33129969	J Nutr Biochem	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data